

## Mouse anti-Human Thyroid Peroxidase Monoclonal Antibody | anti-TPO antibody

Anti-Thyroid Peroxidase Antibody

|                               |                      |                            |                                             |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA291255</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|

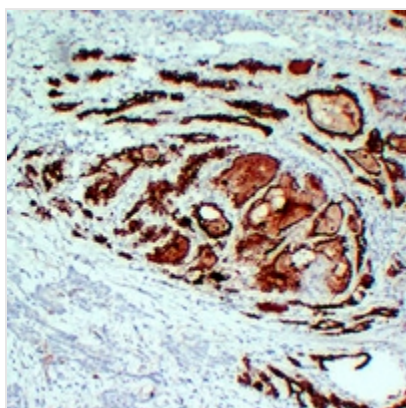
### PRODUCT SYNONYMS

Thyroid Peroxidase; Monoclonal Antibody; Anti-Thyroid Peroxidase Antibody; Thyroid peroxidase; TPO; anti-TPO antibody

### PRODUCT SPECIFICATIONS

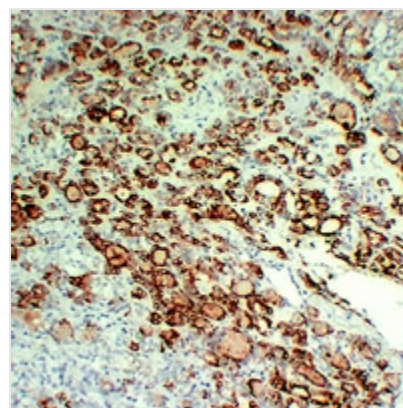
|                                               |                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                 |
| Reactivity                                    | Human                                                                                                                                                 |
| Clonality                                     | Monoclonal                                                                                                                                            |
| Specificity                                   | Recognizes endogenous levels of Thyroid Peroxidase protein.                                                                                           |
| Applicable Applications for anti-TPO antibody | IHC (Immunohistochemistry)                                                                                                                            |
| Cellular Location                             | Membrane; Single-pass type I membrane protein.                                                                                                        |
| Preparation and Storage                       | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### IF (Immunofluorescence)

Immunohistochemical analysis of Thyroid Peroxidase staining in human papillary thyroid carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### IHC (Immunohistochemistry)

Dilution: IH 1/100 - 1/300 Immunohistochemical analysis of Thyroid Peroxidase staining in human follicular thyroid carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

### ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TPO antibody | Mouse monoclonal antibody to Thyroid Peroxidase<br>Iodination and coupling of the hormonogenic tyrosines in thyroglobulin to yield the thyroid hormones T(3) and T(4). |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 28558982                                                               |
| NCBI GeneID                      | 7173                                                                   |
| NCBI Accession #                 | NP_000538.3                                                            |
| NCBI GenBank Nucleotide #        | NM_000547.5                                                            |
| UniProt Accession #              | P07202; P09934; P09935; Q8IUL0; Q8NF94; Q8NF95; Q8NF96; Q8NF97; Q8TCI9 |
| Molecular Weight                 | 102,963 Da                                                             |
| NCBI Official Full Name          | thyroid peroxidase isoform a                                           |
| NCBI Official Synonym Full Names | thyroid peroxidase                                                     |
| NCBI Official Symbol             | TPO                                                                    |
| NCBI Official Synonym Symbols    | MSA; TPX; TDH2A                                                        |
| NCBI Protein Information         | thyroid peroxidase; thyroperoxidase; thyroid microsomal antigen        |
| UniProt Protein Name             | Thyroid peroxidase                                                     |
| UniProt Gene Name                | TPO                                                                    |
| UniProt Synonym Gene Names       | TPO                                                                    |
| UniProt Entry Name               | PERT_HUMAN                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/thyroid-peroxidase-antibody-immunohistochemistry-elisa/291255>